

EANR

Extension Agriculture and Natural Resources



MSU Extension - Bay County

515 Center Avenue, Suite 301
Bay City, Michigan 48708-5124
(989) 895-4026 Voice
(989) 895-4217 Fax
msue09@msu.edu
www.baycounty-mi.gov/MSUE/ANR

Michigan State University,
Bay County Board of Commissioners,
and United States Department
of Agriculture Cooperating

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age, height, weight, disability, political
beliefs, sexual orientation, marital
status, family status, or veteran status.*

*Accommodations for persons
with disabilities may be requested
by calling MSU Extension - Bay County.*

MSU Extension Welcomes New ANR Extension Educator

Greetings, my name is Brian Daley and I am the new Agriculture and Natural Resources (ANR) Extension educator for Bay and Arenac counties. I have been working with MSU Extension since mid-August on a temporary basis while I finish work on my Masters Degree. My primary area of expertise is soil fertility and field crops.

I am excited to be able to work in Bay and Arenac counties, because of the diversity of agriculture in this area. Even though I am mainly a field crops agronomist, I look forward to learning more about the specialty and horticultural crops that are grown in the area. Another aspect I am looking forward to is working to develop value-added marketing opportunities in the area.

For those of you who don't know me, I was raised on a crop farm in Sanilac County and graduated from MSU with a Bachelor of Science in Crops and Soil Sciences in 2004. After graduating, I worked for LESCO as the assistant manager of their Rockford, Illinois, service center. I returned to MSU in 2006 to pursue my Masters Degree in Crop and Soil Sciences. My Masters Degree project involved looking at the effects of

adding sulfur to starter fertilizer in corn and soybeans. I will be working full-time with MSU Extension this January.

As the new ANR Extension educator, I look forward to working closely with the growers of Bay and Arenac counties, and I hope to bring you timely and pertinent information that will help you make informed decisions to improve your operation.

I invite you to attend the meetings we have set up for this winter. So, please review the meeting agendas and registrations in this newsletter.

I look forward to meeting you at this winter's meetings and visiting farms as soon as I assume the ANR Extension educator role in Bay and Arenac Counties.

If you have any suggestions, comments, or questions, please call me at the MSU Extension-Bay County office, or drop me an Email at daleybri@msu.edu.

Respectfully,

Brian Daley

Bay-Arenac Pest Management Update

Date and Location:

Friday, January 16, 2009

8:30 a.m. to 3:00 p.m.

Cheese House Restaurant

770 Pinconning Road, Pinconning, Michigan

Program Cost:

\$35.00 pre-registration

\$45.00 late or at-the-door registration

Registration Deadline:

Monday, January 12, 2009

Agenda

8:30 - 8:50 a.m.	Coffee and Registration
8:50 - 9:45 a.m.	Nitrogen Management for Corn - Tim Boring
9:45 -10:30 a.m.	Soybean Seed Treatments & Corn Diseases - Diane Brown-Rytlewski
10:30 -10:45 a.m.	Break
10:45 -11:30 a.m.	Insect Update - Chris DiFonzo
11:30 -12:20 p.m.	Lunch
12:30 -1:15 p.m.	Corn Weed Management for 2009 - Wesley Everman
1:15 -2:00 p.m.	Weed Management Issues in Soybean - Christy Sprague
2:00 -3:00 p.m.	Managing Higher Priced Nutrient Inputs - Brian Daley

To Register

Complete and return this form with payment by Monday, January 12, 2009 to avoid a late fee.

Three (3) RUP Re-certification credits are pending.

Bay-Arenac Pest Management Update

January 16, 2009 • Cheese House Restaurant, Pinconning

Name(s): _____

Address: _____

City: _____, Michigan Zip Code: _____

Phone Number(s): _____

Number attending: _____ x \$35.00 per person = \$ _____

Late Registration: _____ x \$10.00 per person = \$ _____

Total Due: \$ _____

OFFICE USE ONLY

Date Received: _____

Receipt No. _____

Make your check or money order payable to *MSU Extension* and return with this form to:

MSU Extension - Bay County
515 Center Ave., Ste. 301
Bay City, MI 48708-5124

Registration Deadline: Monday, January 12, 2009. For more information, contact MSU Extension - Bay County at (989) 895-4026, or e-mail msue09@msu.edu.

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Bay-Arenac Dry Bean Meeting

Date and Location:

Wednesday, January 21, 2009
8:30 a.m. to Noon

Pat and Jerry's Restaurant, Auburn, MI
Corner of Garfield & Midland Road

Program Cost: \$0

If you pre-register by deadline!

Your Bean Check-Off Dollars at Work

Registration deadline:

Friday, January 16, 2009

Late or at-the-door registration: \$10

Agenda

8:30 a.m. - Coffee and Registration

9:00 a.m. - Dry Bean Update, featuring:

Jim Kelly, MSU Seed Breeding Programs

Van Varner, Dry Bean Variety Trials

Bob Green, Bean Commission Update

Jack Frank - MI Bean Commission Representative

Larry Sprague - Marketing Update

To Register

Complete and return this form by Friday, January 16, 2009 to avoid a fee.

Bay-Arenac Dry Bean Day

January 21, 2009 • Pat & Jerry's Restaurant, Auburn

Name(s): _____

Address: _____

City: _____, **MICHIGAN** Zip Code: _____

Phone Number(s): _____

Free if you register before January 16, 2009 Number attending: _____ Registration cost: \$ 0.00

Late registration: After January 16, 2009, or at-the-door. Number attending: _____ x \$10.00 \$ _____

Total Due: \$ _____

Send this form to the address shown below to register before the January 16, 2009, deadline. If late registration fees are applicable, make your check or money order payable to *MSU Extension* and send this form and late registration fees to:

MSU Extension - Bay County
515 Center Ave., Ste. 301
Bay City, MI 48708-5124

For more information, contact
MSU Extension - Bay County at
(989) 895-4026, or Email msue09@msu.edu

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10th Annual NORTHERN MICHIGAN SMALL FARM CONFERENCE

BUILDING A STRONG COMMUNITY SUPPORTED AGRICULTURAL SYSTEM

Saturday, January 31, 2009
8:00 to 5:00 pm

Grayling High School
1135 N. Old 27, Grayling, MI

9:00 am -- 10:00 am

Keynote - Fred Kirschenmann
SMALL FARMS: Vestige of the Past or Hope for the Future?

Dr. Kirschenmann will examine the role small farms will play in our nation's food system future with an eye to how consumers and public policy might empower a new generation of small farmers.

A. Youth Session 1 - Be Your Own Boss - description on front of brochure.

Concurrent Session I

10:30 a.m. -- 11:45 a.m.

B. Honey Production - Tim Bennett - Come learn from *Aphis mellifera* (honey bee) how local community supported agriculture can really work.

C. CSA Farmer/Consumer Panel - Mary Heller, Bernie Ware, Jenny Tullis and Jon Watts, Nic and Jen Welty - Community Supported Agricultural (CSA) farms are on the rise nationwide. Whether you are currently a CSA farmer/shareholder or on the fence about becoming one, this session offers testimony from a diverse panel of northern Michigan CSA farmers and their shareholders who have embraced this unique and expanding form of direct market agriculture. Learn what has and hasn't worked, and how each has tailored their programs for success.

D. Selecting and Using Backpack Sprayers - Roberto Dow, Jill O'Donnell - Not all sprayers are created equal. See sprayers, modifications, nozzle selections & accessories. Get information on calibration. Program is for anyone who uses a backpack sprayer for small area spraying.

E. Starting Your Specialty Food Product Business at a Kitchen Incubator - Ron Steiner - A review of the entrepreneurial mindset and discipline required to start and grow a specialty food product business. This will emphasize the equal importance of marketing and finances, as well as the actual production, and the supportive role of a licensed kitchen incubator.

F. Opportunities for Small Farmers in the New Bioeconomy - Dennis Pennington - Energy consumption and demand has increased steadily since the 1940's. Investment in renewable energy sources is at all time highs. Learn why agriculture is positioned to be a key player in the bioenergy and bioproducts industry.

G. Youth Keynote—Mom...Dad...I Want to Farm - Daniel Salatin - description on front of brochure.

Concurrent Session II

1:30 p.m. -- 2:45 p.m.

H. Ag Tourism, Value Added Agriculture and Local Zoning - Don Coe - Everyone is talking about the growth of agricultural tourism and value added agriculture. Localvore is the hot issue, but in a state that values home rule, are township governments ready to embrace the fact that for many small farms to be successful they have to be able to grow, process, retail and market their products from the farm?

I. Root Cellars on the Small Farm - John Bierbaum - From construction to use see how this traditional preservation method is gaining new popularity for it's ability to extend and diversify your small farm, contribute to year-round local food availability, and minimizing energy costs.

J. Drip Irrigations for Gardeners in Northern Michigan - Jack Middleton - The objective of this program will be to give you confidence in selecting and using drip irrigation for food production. Water needs; characteristics of drip irrigation; applications of drip for vegetable, fruit and hoophouse; materials available and other options will be discussed. Drip irrigations materials will be available to see and handle.

K. Finding Local Food Funding - Jim Siefert - A strong movement is growing in northern Michigan to increase economic development through sustainable agriculture. Many growers and producers need funding to expand current operations, find ways to grow year-around, and to establish new businesses.

L. Liability, Food Safety and the Small Farm - Chris Bedford - Melamine in milk from China, *E. coli* on spinach and peppers and huge ground beef recalls! Global industrial food system safety and quality problems have spawned new initiatives on food safety and farm liability that, potentially, will have a large impact on the operations of Michigan's small farms. This session will consider the nature of this challenge and what we can do about it.

M. Youth Session 2—Let's Start Our Own Business - description on front of brochure.

T. Conserving Pollinators for Sustainable Crop Pollination - Rufus Isaacs - This talk will review the diverse array of crop pollinators found in Michigan and will describe the tactics growers can use to integrate sustainable pollination practices into their farms.

Concurrent Session III

3:15 p.m. -- 4:30 p.m.

N. Maple Syrup and Sugar Production - Mark Majszak - Mark brings us his extensive experience in sugaring in both lower and upper Michigan. He's been involved in large and small commercial production and provides insight into running these operations. He'll show some equipment and talk about techniques.

O. Growing Opportunities with Hoophouses - Panel Discussion - Craig Schaff, Nic and Jen Welty, Adam Montiri, Jenny Tullis and Jon Watts - Hoophouses have long been valuable assets in northern climates for propagating transplants in early spring and producing cold hardy greens and root crops throughout winter. More than just season extenders, they have been used to produce specialty crops for niche markets and aid in the successful production of heat loving crops in the summer. Learn current techniques and production methods for a wide variety of crops while discovering ways your operation may integrate hoophouse production with your current operations.

P. Grain Grinding for the Small Farm - Lee Purdy - Processing grains can add value and opportunities for the small farm. Learn how to put together the systems, what regulations apply, and how this opportunity may fit within your farm.

Q. Growing Pasture Poultry on a Small Scale and Now Taking the Next Step - Tom and Wanda Cook, Rick and Sue Duerksen - Two local families share how they began raising pasture chickens and turkeys. They will take you down the road to where they are today. How did they start? How did they grow their business? Marketing differences? Where are they headed?

R. Greenhouse Gas Emission Inventories - The Emissions That Greatly Contribute to Climate Change - Michael Powers, SEEDS Project Manager. Featuring information specific to farms and small businesses, Mike will talk through the process of doing a baseline assessment, setting reduction targets, analyzing reduction measures and evaluating progress over the long-term. One important method for reducing emissions is increased usage of biofuels, including methane digesters. There will be time for Q&A and discussion on the development of regional biofuel collaborations between growers and consumers - including municipalities.

S. Youth Session 3—Everything You've Ever Wanted to Ask About... - description on front of brochure.

Use one form for all registrations from your farm/family)

Please indicate the number of people from your farm attending each break-out session.

A	K
B	L
C	M
D	N
E	O
F	P
G	Q
H	R
I	S
J	T

Contact Person: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

County: _____ Email: _____

Additional individual names attending from your farm: _____

Please do not release my contact information for use by anyone other than conference sponsors.

1st Person @ \$45.00 = \$45.00

Additional Youth* x \$30 = _____

Youth* x \$15 = _____

*Youth age 8-18 scholarships available. Please call 231-531-8818 for details.

Please mail registration to:
Antrim County MSUE
P.O. Box 427
Bellare, MI 49615

Method of Payment
☐ Credit (Visa or MasterCard only)
☐ Check (payable to MSUE)

Credit Card # _____

Exp. Date _____

Signature _____

The registration deadline is January 23, 2009—Registration includes lunch and breaks

Sorry NO REFUNDS

Late Registration or On-Site Registration will be charged additional \$15 per person and does not guarantee lunch availability.

On-Site Registration Cash or Check ONLY

Arenac County

Pesticide Applicator's Review and Exam

Thursday, February 19, 2009 - Standish Bakery

East of M-13 and M-61 intersection (traffic light), Standish, Michigan

THIS YEAR BOTH THE REVIEW MANUALS AND THE TEST ARE NEW. WE SUGGEST THAT YOU PURCHASE A NEW MANUAL TO REVIEW FOR THE NEW TEST THAT IS BEING ADMINISTERED AT THIS SESSION. THE COST OF THE NEW REVIEW MANUAL IS \$30.00.

The Review

8:30 a.m. to 12:30 p.m.

Lunch

12:30 to 1:00 p.m.

Cost

All participants attending the morning Review session pay \$25.00 for pre-registration with the form below.

Late and at-the-door registration will be \$40.00.

The Exam

begins at 1:00 p.m.

Private Applicators: \$50.00

Commercial Applicators: \$75.00

Make a *separate* check or money order payable to *Michigan Department of Agriculture*. Bring this payment with you to the exam. MDA ***will not*** accept cash or credit at the exam site.

Two RUP Re-certification credits are pending for the Review session.

Complete and return this form with payment no later than Friday, February 13, 2009, to avoid a late fee.

Pesticide Applicator's Review and Exam

February 19, 2009 - Standish Bakery

Participant Name: _____

Use the back of this form for additional names if needed. Add total number attending review session below.

Address: _____

City: _____, Michigan Zip Code: _____

Phone Number(s): _____

- ☐ I want to purchase a copy of a new review manual: ☐ Available at event ☐ Ship it (allow five days)
- ☐ I will be taking the Private Applicator's exam: Cost per manual: \$30.00 \$ _____
- ☐ I will be taking the Commercial Applicator's exam: Cost per manual: \$30.00 \$ _____
- ☐ I certify that I am exempt from paying MI sales tax: *Signature Required* _____
- ☐ I want to attend the review session (lunch included). Number x Cost per person: \$25.00 \$ _____
- ☐ Late fee, if paying after February 13, 2009: Cost per person: \$15.00 \$ _____

Total Due \$ _____

Make your check or money order payable to MSU Extension and send it with this form to MSU Extension - Arenac County by Friday, February 13, 2009, to avoid late fees.

MSU Extension - Arenac County
County Building, Box 745
Standish, Michigan 48658
(989) 846-4111 or msue06@msu.edu

Office Use Only

Date Received: _____

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**Present the
2009 State Beet and Dry Bean Day Symposium**

Tuesday, February 17th, 2009 at the Horizons Conference Center, 6200 State Street,
Saginaw MI. The doors open at 8 am and the event ends at 4 p.m.

Bean and sugarbeet growers looking for research-based information on improving production, saving money, and preventing diseases are encouraged to attend the 2009 Beet and Dry Bean Day Symposium. This annual trade show has been held for over 25 years and is sponsored by the Michigan Bean Commission, MSU Extension, and Sugarbeet Advancement. For more information, contact Steve Poindexter at Saginaw County MSU Extension - 989-758-2500, Ext. 208 or by Email poindex2@msu.edu.

AGENDA

- 9:30 a.m. **Welcome and Introductions**
Dennis Engelhard, Chairman - Michigan Bean Commission
- 9:35 a.m. **March 2009 Referendum of the Michigan Bean Commission**
Bob Green, Executive Director - Michigan Bean Commission
- 9:40 a.m. **United States Dry Bean Council UPDATE**
Jeane Wharton, Executive Director - US Dry Bean Council
- 9:50 a.m. **Dry Bean Research Trials in Michigan, Other States and Countries**
Greg Varner - Michigan Dry Bean Production Research Advisory Board
- 10:10 a.m. **Dry Bean Herbicide Spray Programs**
Dr. Christy Sprague, Weed Specialist - Michigan State University
- 10:35 a.m. **Dry Bean Varieties with Competitive Traits for Michigan**
Dr. James Kelly, Dry Bean Breeder - Michigan State University
- 10:50 a.m. **Impact of Quadris and Proline Fungicides on Yields of Sugarbeets With Natural Infection of Rhizoctonia Crown Rot**
Steven Poindexter, Senior Sugarbeet Extension Educator, MSU
- 11:00 a.m. **Michigan Dry Bean Prices for 2009 - Grower Intentions for Michigan**
Larry Sprague - Kelly Bean Company
- 11:30 a.m. **Lunch - View Trade Show**
- 1:00 p.m. **Welcome and Introductions—MSU Extension**
Steven Poindexter, Senior Sugarbeet Extension Educator, MSU
- 1:15-2:30 p.m. **"Keys to Maximize Recoverable White Sugar per Acre"**
Susan S. Martin, Ph.D., Sugarbeet Physiologist, USDA-ARS (Ret.)
Dr. Martin has spent many years with USDA-ARS researching the physiology and growth process of sugarbeets. Highly respected in the sugarbeet industry for her expertise, she is sought after to conduct many sugarbeet educational programs. This seminar will offer growers a better understanding of beet growth processes and how grower practices can improve recoverable sugar per acre and profitably.
- 2:30 p.m. **Wrap up**
- 2:30-4:00 p.m. **Exhibits Open to Public**

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Bay County

Pesticide Applicator's Review and Exam

Thursday, March 12, 2009 - Williams Twp. Hall

1080 W. Midland Road, Auburn MI (just west of Garfield Road on Midland Rd.)

THIS YEAR BOTH THE REVIEW MANUALS AND THE TEST ARE NEW. WE SUGGEST THAT YOU PURCHASE A NEW MANUAL TO REVIEW FOR THE NEW TEST THAT IS BEING ADMINISTERED AT THIS SESSION. THE COST OF THE NEW REVIEW MANUAL IS \$30.00.

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Complete and return this form with payment to MSUE no later than Friday, March 6, 2009, to avoid a late fee.

Pesticide Applicator's Review and Exam

March 12, 2009 - Williams Township Hall

Participant Name(s): _____

Use the back of this form for additional names if needed. Add total number attending review session below.

Address: _____

City: _____, Michigan Zip Code: _____

Phone Number(s): _____

- ☐ I want to purchase a copy of a new review manual: ☐ Available at event ☐ Ship it (allow five days)
- ☐ I will be taking the Private Applicator's exam: Cost per manual: \$30.00 \$ _____
- ☐ I will be taking the Commercial Applicator's exam: Cost per manual: \$30.00 \$ _____
- ☐ I certify that I am exempt from paying MI sales tax: *Signature Required* _____
- ☐ I want to attend the review session (lunch included). Number ____ x Cost per person: \$25.00 \$ _____
- ☐ Late fee, if paying after March 6, 2009: Cost per person: \$15.00 \$ _____

Total Due \$ _____

Make your check or money order payable to MSU Extension and send it with this form to MSU Extension - Bay County Friday, March 6, 2009, to avoid late fees.

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515 Center Ave., Suite 301
Bay City, Michigan 48708
(989) 895-4026 or msue09@msu.edu

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MSU Extension - Bay County

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Karen Parker. Nutrition Program Associate
Jan Rise. Master Gardener Coordinator
Judy Delestowicz. Administrative Assistant
Tamara Harris. Secretary
Jodi Wrzesinski. 4-H Program Assistant
Vacant. Technology Coordinator

Bay County Extension Council

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Philip Engelhardt	Mike Meier
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Bay City, MI 48708-5124

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